

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A color cathode ray tube, comprising: a panel having a substantially flat outer surface and an inner surface having a curvature; a funnel coupled to the panel; a deflection yoke installed at an outer surface of the funnel; and a reinforcing band installed at a skirt portion of the panel,

wherein the panel ~~and~~, the funnel, and the reinforcing band satisfy the following condition, $U/U' \geq 2.5$, and $10.5\text{mm} \leq h \leq 20\text{mm}$,

~~when~~ wherein a diagonal size of an effective surface of the panel is U, ~~and~~ a tube axis directional distance from an outer surface center of the panel to a boundary portion (TOR) between a body part and a yoke part of the funnel is U', and a tube axis directional distance from the outer surface center of the panel to a front edge portion of the reinforcing band is h.

2. (Original) The CRT of claim 1, wherein a maximum deflection angle of a electron beam is about $100^\circ \sim 140^\circ$.

3. (Original) The CRT of claim 1, wherein the panel and funnel satisfy the following condition, $U/L \geq 2.5$,

when a tube axis directional distance from the outer surface center of the panel to a deflection reference line (RL) of the funnel is L.

4. (Currently Amended) ~~The CRT of claim 1~~ A color cathode ray tube, comprising: a panel having a substantially flat outer surface and an inner surface having a curvature; a funnel

coupled to the panel; a deflection yoke installed at an outer surface of the funnel; and a reinforcing band installed at a skirt portion of the panel,

wherein the panel and funnel satisfy the following condition, $\underline{U/U'} \geq 2.5$ and $\underline{L/OL} \leq 0.55$,

wherein a diagonal size of an effective surface of the panel is U, a tube axis directional distance from an outer surface center of the panel to a boundary portion (TOR) between a body part and a yoke part of the funnel is U', ~~when~~ a tube axis directional distance from the outer surface center of the panel to a deflection reference line (RL) of the funnel is L, and a tube axis directional distance from the outer surface center of the panel to an end portion of the funnel is OL.

5. (Original) The CRT of claim 1, wherein the panel satisfies the following condition, $6.5 \leq U/OAH \leq 12.5$,

when a tube axis directional height of the panel is OAH.

6. (Cancelled)

7. (Cancelled)

8. (Currently Amended) ~~The CRT of claim 6~~ A color cathode ray tube, comprising: a panel having a substantially flat outer surface and an inner surface having a curvature; a funnel

coupled to the panel; a deflection yoke installed at an outer surface of the funnel; and a reinforcing band installed at a skirt portion of the panel,

wherein the panel, the funnel, and reinforcing band satisfy the following condition, $\frac{U}{U'} \geq 2.5$ and $0.55 \leq W/OAH \leq 0.8$,

~~when~~wherein a diagonal size of an effective surface of the panel is U, a tube axis directional distance from an outer surface center of the panel to a boundary portion (TOR) between a body part and a yoke part of the funnel is U', and a width of the reinforcing band is W and a tube axis directional height of the panel is OAH.

9. (Currently Amended) ~~The CRT of claim 6~~ A color cathode ray tube, comprising:
a panel having a substantially flat outer surface and an inner surface having a curvature; a funnel coupled to the panel; a deflection yoke installed at an outer surface of the funnel; and a reinforcing band installed at a skirt portion of the panel,

wherein the panel, the funnel, and the reinforcing band satisfy the following condition, $\frac{U}{U'} \geq 2.5$ and $0.35 \leq BP/OAH \leq 0.65$.

~~when~~wherein a diagonal size of an effective surface of the panel is U, a tube axis directional distance from an outer surface center of the panel to a boundary portion (TOR) between a body part and a yoke part of the funnel is U', a tube axis directional distance from a connecting portion of the panel and the funnel to the reinforcing band center is BP, and a tube axis directional height of the panel is OAH.

10. (Original) The CRT of claim 1, wherein a vertical section surface of a yoke part of the funnel is about non-circular shape.

11. (Currently Amended) A color cathode ray tube, comprising: a panel having an substantially flat outer surface and an inner surface having a curvature; a funnel coupled to the panel; a deflection yoke installed at an outer surface of the funnel; and a reinforcing band installed at a skirt portion of the panel,

wherein the panel, ~~and the funnel,~~ and the reinforcing band satisfy the following condition, $U/L \geq 2.0$ and $10.5\text{mm} \leq h \leq 20\text{mm}$,

~~when wherein~~ a diagonal size of an effective surface of the panel is U ~~and,~~ a tube axis directional distance from the outer surface center of the panel to a deflection reference line (RL) of the funnel is L, and a tube axis directional distance from the outer surface center of the panel to a front edge portion of the reinforcing band is h.

12. (Original) The CRT of claim 11, wherein the panel and the funnel satisfy the following condition, $2.4 \leq U/L \leq 5.5$.

13. (Currently Amended) ~~The CRT of claim 11~~ A color cathode ray tube, comprising:
a panel having an substantially flat outer surface and an inner surface having a curvature; a
funnel coupled to the panel; a deflection yoke installed at an outer surface of the funnel; and a
reinforcing band installed at a skirt portion of the panel,

wherein the panel and the funnel satisfy the following condition, $\underline{U/L \geq 2.0}$ and $L/OL \leq 0.55$,

~~when~~ wherein a diagonal size of an effective surface of the panel is U, a tube axis directional distance from the outer surface center of the panel to a deflection reference line (RL) of the funnel is L, and a tube axis directional distance from the outer surface center of the panel to an end portion of the funnel is OL.

14. (Original) The CRT of claim 11, wherein the panel and the funnel satisfy the following condition, $6.5 \leq U/OAH \leq 12.5$,

when a tube axis directional height of the panel is OAH.

15. (Cancelled)

16. (Cancelled)

17. (Currently Amended) ~~The CRT of claim 15~~ A color cathode ray tube, comprising:
a panel having an substantially flat outer surface and an inner surface having a curvature; a
funnel coupled to the panel; a deflection yoke installed at an outer surface of the funnel; and a
reinforcing band installed at a skirt portion of the panel,

wherein the panel, the funnel, and reinforcing band satisfy the following condition, $\underline{U/L \geq 2.0}$ and $0.55 \leq W/OAH \leq 0.8$,

~~when~~ wherein a diagonal size of an effective surface of the panel is U, a tube axis directional distance from the outer surface center of the panel to a deflection reference line (RL) of the funnel is L, and a width of the reinforcing band is W and a tube axis directional height of the panel is OAH.

18. (Currently Amended) A color cathode ray tube, comprising: a panel having an substantially flat outer surface and an inner surface having a curvature; a funnel coupled to the panel; a deflection yoke installed at an outer surface of the funnel; and a reinforcing band installed at a skirt portion of the panel~~The CRT of claim 15,~~

wherein the panel, the funnel, and reinforcing band satisfy the following condition, $\frac{U}{L} \geq 2.0$ and $0.35 \leq BP/OAH \leq 0.65$,

~~when~~ wherein a diagonal size of an effective surface of the panel is U, a tube axis directional distance from the outer surface center of the panel to a deflection reference line (RL) of the funnel is L, a tube axis directional distance from a connecting portion of the panel and the funnel to the reinforcing band center is BP, and a tube axis directional height of the panel is OAH.

19. (Original) The CRT of claim 11, wherein a vertical section surface of the yoke part of the funnel is about rectangular shape.

20. (Original) The CRT of claim 11, wherein a maximum deflection angle of electron beam is about $100^\circ \sim 140^\circ$.

21. (New) The CRT of claim 8, wherein the reinforcing band satisfies the following condition, $h \geq 7\text{mm}$,

wherein a tube axis directional distance from the outer surface center of the panel to a front edge portion of the reinforcing band is h .

22. (New) The CRT of claim 9, wherein the reinforcing band satisfies the following condition, $h \geq 7\text{mm}$,

wherein a tube axis directional distance from the outer surface center of the panel to a front edge portion of the reinforcing band is h .

23. (New) The CRT of claim 17, wherein the reinforcing band satisfies the following condition, $h \geq 7\text{mm}$,

wherein a tube axis directional distance from the outer surface center of the panel to a front edge portion of the reinforcing band is h .

24. (New) The CRT of claim 18, wherein the reinforcing band satisfies the following condition, $h \geq 7\text{mm}$,

wherein a tube axis directional distance from the outer surface center of the panel to a front edge portion of the reinforcing band is h .